UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23850

7590

06/20/2007

ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP 1725 K STREET, NW SUITE 1000 WASHINGTON, DC 20006

· EXA	MINER
DICKEY,	THOMAS L
ART UNIT	PAPER NUMBER
2826	

DATE MAILED: 06/20/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781 684	02/20/2004	Hai-7hi Song	040070	3601

TITLE OF INVENTION: QUANTUM SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	09/20/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

ARMSTRONG, 1725 K STREET, SUITE 1000 WASHINGTON, I	DC 20006		h N & BROOKS, LLP S a	ce its own certification Concerning that ates Postal Service Idressed to the Market Postal Service Idressed Idresse	te of ma ertificate his Fee(with sul il Stop	iling or transmission. of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address	nt or formal drawing, must mission g deposited with the United st class mail in an envelope
WASHINGTON, I	DC 20006	TOS, HANSO	N & BROOKS, LLR S au tr	nereby certify that ates Postal Service Idressed to the Ma	his Fee(with sul il Stop	 Transmittal is being ficient postage for firs ISSUE FEE address 	mission g deposited with the United st class mail in an envelope
				***************************************	•	1) 273-2885, on the d	above, or being facsimile ate indicated below.
							(Depositor's name)
	I PUNICE IN						(Signature)
			L		-		(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	PR	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/781,684 TITLE OF INVENTION: Q	02/20/2004 01/4 NTUM SEMICO	NDUCTOR DEVICE	Hai-Zhi Song	DICATING THE C	AME	040070	3691
TITLE OF INVENTION: Q	QUANTOM SEMICO	NDUCTOR DEVICE	E AND METHOD FOR FAE	RICATING THE S	AME		
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	PREV. PAID ISS	JE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0		\$1700	09/20/2007
EXAMINE	ER	ART UNIT	CLASS-SUBCLASS]			•
DICKEY, THO		2826	257-014000				
1. Change of correspondenc CFR 1.363).	e address or indication	n of "Fee Address" (3					
Change of correspond Address form PTO/SB/13	dence address (or Char 22) attached.	nge of Corresponden		tively,			
"Fee Address" indicate PTO/SB/47; Rev 03-02 (Number is required.	tion (or "Fee Address"	' Indication form ed. Use of a Custom	(2) the name of a sin registered attorney o 2 registered patent at listed, no name will t	orneys or agents. I	a memb nes of u f no nam	er a 2 p to e is 3	
3. ASSIGNEE NAME AND	RESIDENCE DATA	TO BE PRINTED	ON THE PATENT (print or	ype)			
PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN	13/CFK 3.11. Comp	fied below, no assig letion of this form is	nee data will appear on the NOT a substitute for filing a (B) RESIDENCE: (CIT	n assignment.			ocument has been filed for
, ,			(-)(
Please check the appropriate	e assignee category or	categories (will not b	pe printed on the natent):	☐ Individual ☐ C	'omorati	on or other private aro	up entity Government
4a. The following fec(s) are Issue Fee	•		4b. Payment of Fee(s): (Pl	ease first reapply a	ny prev	iously paid issue fee s	shown above)
Publication Fee (No s	small entity discount p	ermitted)	Payment by credit c	ard. Form PTO-203	8 is atta	ched.	•
Advance Order - # of			The Director is here overpayment, to De	by authorized to cha cosit Account Numl	rge the i	required fee(s), any def (enclose ar	ficiency, or credit any nextra copy of this form).
5. Change in Entity Status a. Applicant claims Sl							
NOTE: The Issue Fee and Printerest as shown by the reco			b. Applicant is no lo	the applicant: a res	LL ENT	ITY status. See 37 CF	R 1.27(g)(2).
interest as shown by the reco	ords of the United Stat	es Patent and Trader	nark Office.				- assigned of other party in
Authorized Signature				Date			
Typed or printed name _				Registration	No		
This collection of informatic an application. Confidential submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virgi Alexandria, Virginia 22313- Under the Paperwork Reduc	on is required by 37 Clity is governed by 35 oplication form to the for reducing this burning 22313-1450. DO 1450.	FR 1.311. The inform U.S.C. 122 and 37 C USPTO. Time will den, should be sent t NOT SEND FEES C	nation is required to obtain of FR 1.14. This collection is every depending upon the indo the Chief Information Office COMPLETED FORMS	retain a benefit by stimated to take 12 vidual case. Any c ter, U.S. Patent and O THIS ADDRES	the publ minutes omment Tradem S. SENI	ic which is to file (and to complete, including s on the amount of tim ark Office, U.S. Depa of TO: Commissioner for	by the USPTO to process) g gathering, preparing, and the you require to complete rument of Commerce, P.O. or Patents, P.O. Box 1450,



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/781,684	02/20/2004	Hai-Zhi Song	040070	3691	
23850	7590 06/20/2007	EXAM	EXAMINER		
ARMSTRONO	G, KRATZ, QUINTOS,	DICKEY, T	DICKEY, THOMAS L		
1725 K STREET		ART UNIT	PAPER NUMBER		
SUITE 1000 WASHINGTON, DC 20006			2826 DATE MAILED: 06/20/200	7	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.